

SYSTEM AND METHODS OF FLUORESCENCE, REFLECTANCE AND LIGHT
SCATTERING SPECTROSCOPY FOR MEASURING TISSUE CHARACTERISTICS
ABSTRACT OF THE DISCLOSURE

- 5 The present invention utilizes a plurality of spectroscopic systems and methods
to measure characteristics of tissue useful in the diagnosis of disease. In a preferred
embodiment, a combination of fluorescence, reflectance and light scattered spectra can
be measured and processed to provide biochemical, architectural and morphological
state of tissue. The methods and systems can be used particularly in the early detection
10 of carcinoma within tissue in vivo and in vitro.

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